

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E86413

**Employer :** Harnish Group Inc

**Worksite :** NC Power Systems

**Street :** 17900 W Valley Hwy

**Jurisdiction :** City of Tukwila

**Participation :** CTR

**Status :** Affected

**Survey Type :** Online

**Response Rate :** 77%

**Survey Date :** 4/20/2017

### Non-Drive Alone & One-Way VMT Rates at this Worksite

**Non-Drive Alone Rate :** 10.6%

**Drive Alone Rate :** 89.4%

**One-Way VMT per employee :** 19.9

**Average One-Way distance home to work :** 21.2

### Employees and Survey Response Information

**Reported Total Employees at Worksite:** 130

**Surveys Distributed :** 109

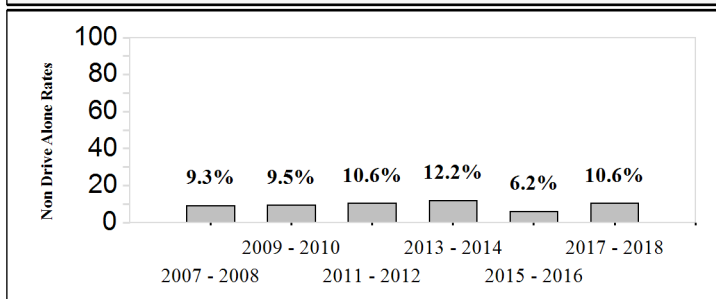
**Surveys Returned :** 84

**Surveys Returned by CTR Affected\* Employees :** 82

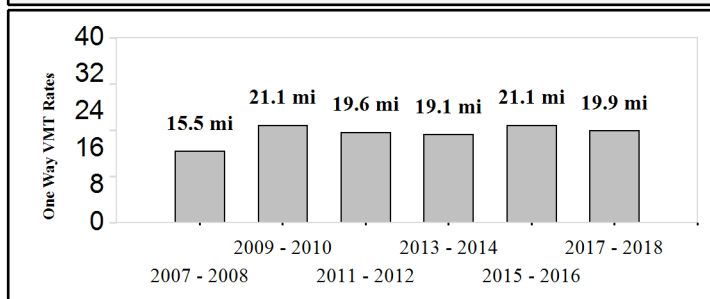
**Total Estimated CTR Affected Employees at Worksite :** 106

*\*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

#### Non Drive Alone Rates - ALL Employees



#### One Way VMT per Employee - ALL Employees



### Site History and Targets

#### Annual Metric Tons CO<sub>2</sub>e Pounds CO<sub>2</sub>e

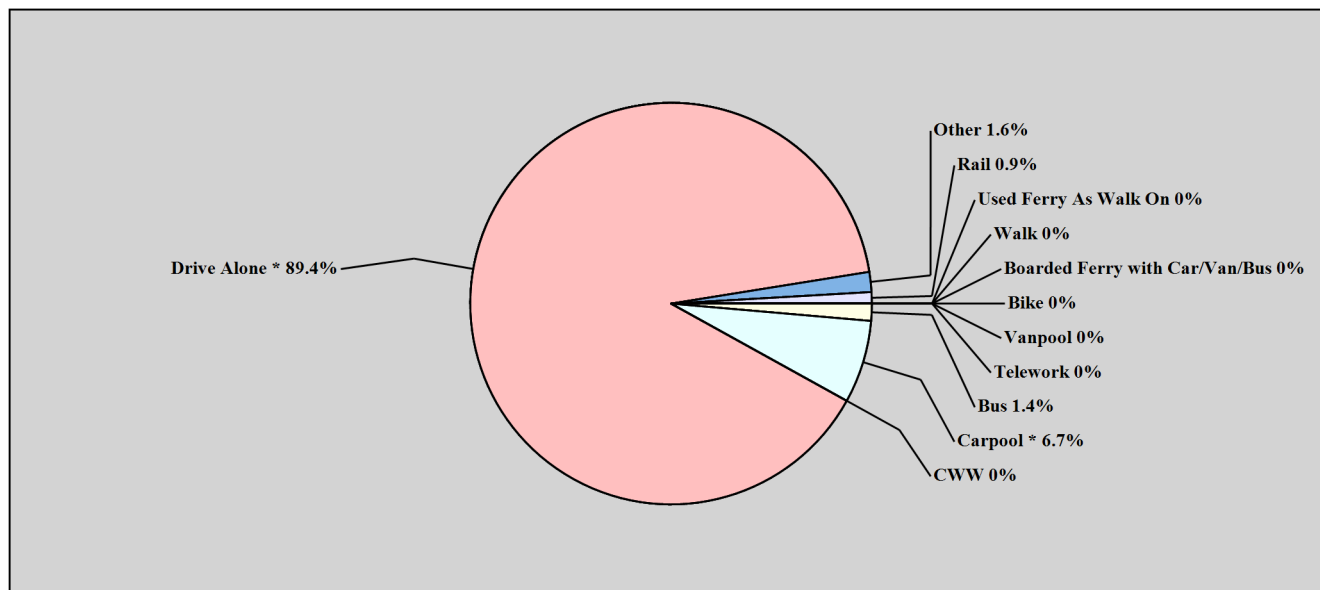
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	9.3%	10.3%	224	425	28.8	15.5	15.7
2009 - 2010	9.5%	10.1%	458	644	43.7	21.1	21.0
2011 - 2012	10.6%	11.1%	407	561	38.0	19.6	19.7
2013 - 2014	12.2%	10.6%	278	548	37.2	19.1	18.4
2015 - 2016	6.2%	6.5%	356	623	42.3	21.1	20.8
2017 - 2018	10.6%	10.8%	385	595	40.4	19.9	20.0
Target	27.1%				Target:	13.9	
% Point Change Target:	17.8				% Change Target:	-10.3%	
% Point Change from Baseline:	1.3				% Change from Baseline:	28.4%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

## Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



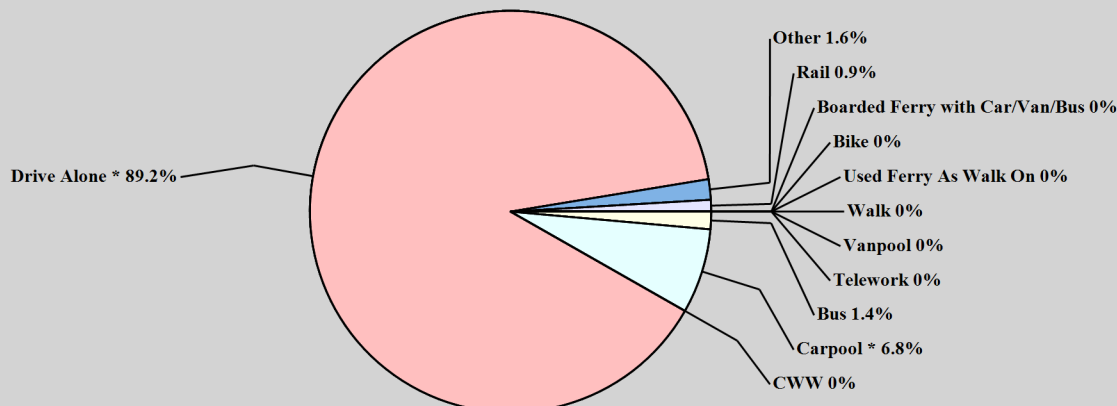
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	389	89.4%	93.8%	80	95.2%	96.1%
Carpool *	29	6.7%	3.7%	9	10.7%	3.9%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	6	1.4%	0.0%	2	2.4%	0.0%
Rail	4	0.9%	1.2%	1	1.2%	1.3%
Bike	0	0.0%	0.0%	0	0.0%	0.0%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	0	0.0%	0.0%	0	0.0%	0.0%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	7	1.6%	1.2%	2	2.4%	1.3%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

## Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	379	89.2%	93.5%	78	95.1%	95.9%
Carpool *	29	6.8%	3.9%	9	11.0%	4.1%
Vanpool	0	0.0%	0.0%	0	0.0%	0.0%
Bus	6	1.4%	0.0%	2	2.4%	0.0%
Rail	4	0.9%	1.3%	1	1.2%	1.4%
Bike	0	0.0%	0.0%	0	0.0%	0.0%
Walk	0	0.0%	0.0%	0	0.0%	0.0%
Telework	0	0.0%	0.0%	0	0.0%	0.0%
CWW	0	0.0%	0.0%	0	0.0%	0.0%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	7	1.6%	1.3%	2	2.4%	1.4%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
<b>0 Day</b>	71	85%	84	100%
<b>1 Days</b>	4	5%	13	15%
<b>2 Days</b>	0	0%	9	11%
<b>3 Days</b>	1	1%	9	11%
<b>4 Days</b>	3	4%	8	10%
<b>5 Days</b>	4	5%	5	6%
<b>6 or More Days</b>	1	1%	1	1%

**Count by Occupancy of Carpools and Vanpools**

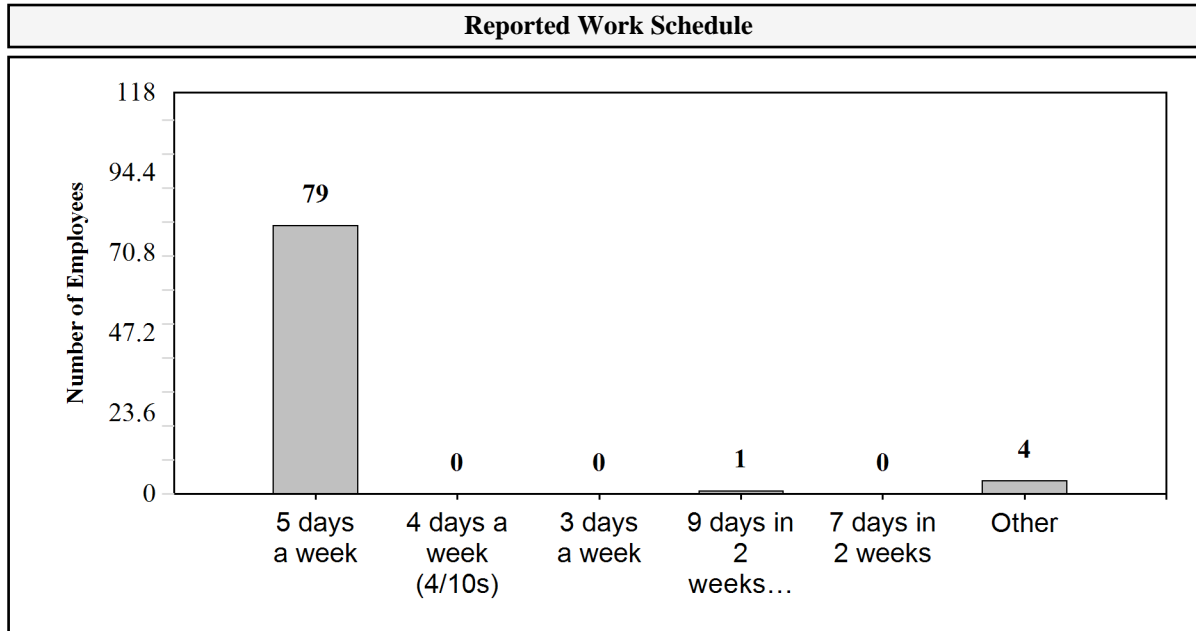
Q.4 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
<b>2*</b>	Carpool	29
<b>3</b>	Carpool	0
<b>4</b>	Carpool	0
<b>5</b>	Carpool	0
<b>&gt;5</b>	Carpool	0
<b>&lt;5</b>	Vanpool	0
<b>5</b>	Vanpool	0
<b>6</b>	Vanpool	0
<b>7</b>	Vanpool	0
<b>8</b>	Vanpool	0
<b>9</b>	Vanpool	0
<b>10</b>	Vanpool	0
<b>11</b>	Vanpool	0
<b>12</b>	Vanpool	0
<b>13</b>	Vanpool	0
<b>14</b>	Vanpool	0
<b>&gt;14</b>	Vanpool	0

\* Motorcycle-2 counted with Carpool-2 for this table.

## Reported Work Schedule - All Employees

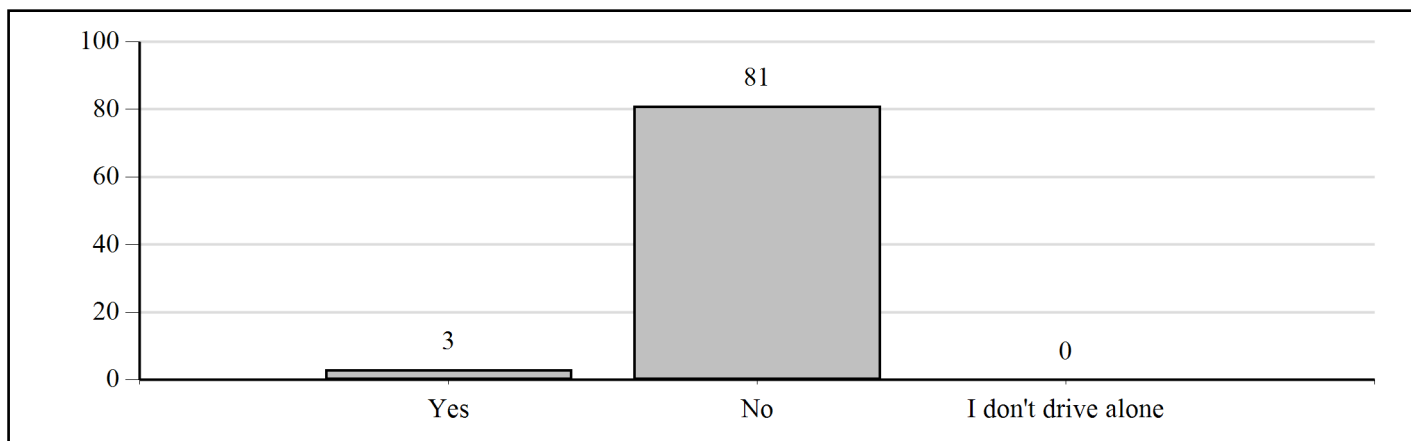
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	79	94%
4 days a week (4/10s)	0	0%
3 days a week	0	0%
9 days in 2 weeks (9/80)	1	1.2%
7 days in 2 weeks	0	0%
Other	4	4.8%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	78	92.9%
Occasionally, on an as-needed basis	4	4.8%
1-2 days/month	2	2.4%
1 day/week	0	0.0%
2 days/week	0	0.0%
3 days/week	0	0.0%

## Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Other	27	26.7%
To save time using the HOV lane	16	15.8%
To save money	14	13.9%
Driving myself is not an option	9	8.9%
Environmental and community benefits	9	8.9%
Financial incentives for carpooling, bicycling or walking.	5	5.0%
Personal health or well-being	5	5.0%
Cost of parking or lack of parking	5	5.0%
Free or subsidized bus, train, vanpool pass or fare benefit	4	4.0%
Emergency ride home is provided	4	4.0%
I have the option of teleworking	2	2.0%
I receive a financial incentive for giving up my parking space	1	1.0%
Preferred/reserved carpool/vanpool parking is provided	0	0.0%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	50	27.0%
I like the convenience of having my car	46	24.9%
My job requires me to use my car for work	33	17.8%
Other	19	10.3%
Family care or similar obligations	14	7.6%
Bicycling or walking isn't safe	11	5.9%
My commute distance is too short	10	5.4%
I need more information on alternative modes	1	0.5%
There isn't any secure or covered bicycle parking	1	0.5%

## Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98391	7	8.33%	35	0	0	0	0	0	0	0	0	0	0	0	0
98042	4	4.76%	19	1	0	0	0	0	0	0	0	0	0	0	0
98374	4	4.76%	22	0	0	0	0	0	0	0	0	0	0	0	0
98002	3	3.57%	15	0	0	0	0	0	0	0	0	0	0	0	0
98022	3	3.57%	15	0	0	0	0	0	0	0	0	0	0	0	0
98023	3	3.57%	5	5	0	0	5	0	0	0	0	0	0	0	2
98031	3	3.57%	17	0	0	0	0	0	0	0	0	0	0	0	0
98371	3	3.57%	10	4	0	0	0	0	0	0	0	0	0	0	0
98373	3	3.57%	11	5	0	0	0	0	0	0	0	0	0	0	0
98001	2	2.38%	8	0	0	2	0	0	0	0	0	0	0	0	0
98038	2	2.38%	10	0	0	0	0	0	0	0	0	0	0	0	0
98043	2	2.38%	5	3	0	0	0	0	0	0	0	0	0	0	0
98051	2	2.38%	10	0	0	0	0	0	0	0	0	0	0	0	0
98056	2	2.38%	10	0	0	0	0	0	0	0	0	0	0	0	0
98092	2	2.38%	10	0	0	0	0	0	0	0	0	0	0	0	0
98168	2	2.38%	7	0	0	7	0	0	0	0	0	0	0	0	0
98198	2	2.38%	10	0	0	0	0	0	0	0	0	0	0	0	0
98387	2	2.38%	10	0	0	0	0	0	0	0	0	0	0	0	0
98444	2	2.38%	5	0	0	0	0	0	0	0	0	0	0	0	5
98032	1	1.19%	4	0	0	0	0	0	0	0	0	0	0	0	0
98034	1	1.19%	4	1	0	0	0	0	0	0	0	0	0	0	0
98045	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98055	1	1.19%	6	0	0	0	0	0	0	0	0	0	0	0	0
98058	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98059	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98102	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0





Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98105	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98108	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98116	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98122	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98133	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98144	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98146	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98178	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98188	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98203	1	1.19%	1	4	0	0	0	0	0	0	0	0	0	0	0
98302	1	1.19%	0	5	0	0	0	0	0	0	0	0	0	0	0
98321	1	1.19%	7	0	0	0	0	0	0	0	0	0	0	0	0
98354	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98360	1	1.19%	6	0	0	0	0	0	0	0	0	0	0	0	0
98367	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98372	1	1.19%	3	1	0	0	0	0	0	0	0	0	0	0	0
98375	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98390	1	1.19%	1	0	0	0	0	4	0	0	0	0	0	0	0
98406	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98407	1	1.19%	7	0	0	0	0	0	0	0	0	0	0	0	0
98498	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0
98503	1	1.19%	3	0	0	3	1	0	0	0	0	0	0	0	0
98528	1	1.19%	6	0	0	0	0	0	0	0	0	0	0	0	0
98597	1	1.19%	5	0	0	0	0	0	0	0	0	0	0	0	0